

WHAT IS CLAIMED IS:

1. A polybutylene terephthalate pellet comprising polybutylene terephthalate containing titanium in an amount of not more than 90 ppm by weight, as calculated as titanium atom, and having an end methoxycarbonyl group concentration of not more than 0.5 $\mu\text{eq/g}$, wherein said pellet has an average intrinsic viscosity of 0.90 to 2.00 dL/g and a difference in intrinsic viscosity between a central portion and a surface layer portion of the pellet is not more than 0.10 dL/g.

2. A polybutylene terephthalate pellet according to claim 1, wherein said pellet has an average intrinsic viscosity of 1.10 to 1.40 dL/g.

3. A polybutylene terephthalate pellet according to claim 1 or 2, wherein said polybutylene terephthalate has a titanium content of not more than 50 ppm by weight.

4. A polybutylene terephthalate pellet according to any of claims 1 to 3, wherein said polybutylene terephthalate has an end carboxyl concentration of 0.1 to 50 $\mu\text{eq/g}$.

5. A polybutylene terephthalate pellet according to any of claims 1 to 4, wherein said polybutylene terephthalate has an end vinyl concentration of 0.1 to 15 $\mu\text{eq/g}$.

6. A polybutylene terephthalate pellet according to any of claims 1 to 5, wherein said polybutylene terephthalate has an solution haze of not more than 5%, when measured as a turbidity value of a solution prepared by dissolving 2.7 g of polybutylene terephthalate in 20 mL of a mixed solution containing phenol and tetrachloroethane at a weight ratio of 3:2.

7. A polybutylene terephthalate pellet according to any of claims 1 to 6, wherein the difference in intrinsic viscosity between the central portion and surface layer portion of the pellet is not more than 0.05 dL/g.

8. A compound product produced using the polybutylene terephthalate pellet as defined in any of claims 1 to 7 as at least a part of a raw material thereof.

9. A process for producing a compound product, comprising kneading a raw material using the polybutylene terephthalate pellet as defined in any of claims 1 to 7 as at least a part of the raw material, by an extruder.

10. A process according to claim 9, wherein a resin temperature upon kneading by the extruder is not more than 270°C.

11. A molded product produced using the compound product as defined in claim 8 as at least a part of a raw molding material thereof.

12. A process for producing a molded product, comprising molding a raw material using the compound product as defined in claim 8 as at least a part of the raw molding material, by an injection molding machine.

13. A process according to claim 12, wherein a melting temperature of the compound product upon molding is not more than 270°C.

14. A process according to claim 12 or 13, wherein a recycled material is used as at least a part of the raw molding material.

15. A molded product produced using the polybutylene terephthalate pellet as defined in any of claims 1 to 7 as at least a part of a raw material thereof.

16. A molded product according to claim 15, wherein the molded product is a film, a sheet or a filament.

17. A process for producing a molded product, comprising molding a raw material using the polybutylene terephthalate pellet as defined in any of claims 1 to 7 as at least a part of the raw material, by an extruder.

18. A process according to claim 17, wherein a molten resin temperature upon molding is not more than 270°C.

19. A process according to claim 17 or 18, wherein a recycled material is used as at least a part of the raw material.